

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P568040

Luminaire Tested: **8SNX-82SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-82SL-LN-UNV-L940-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

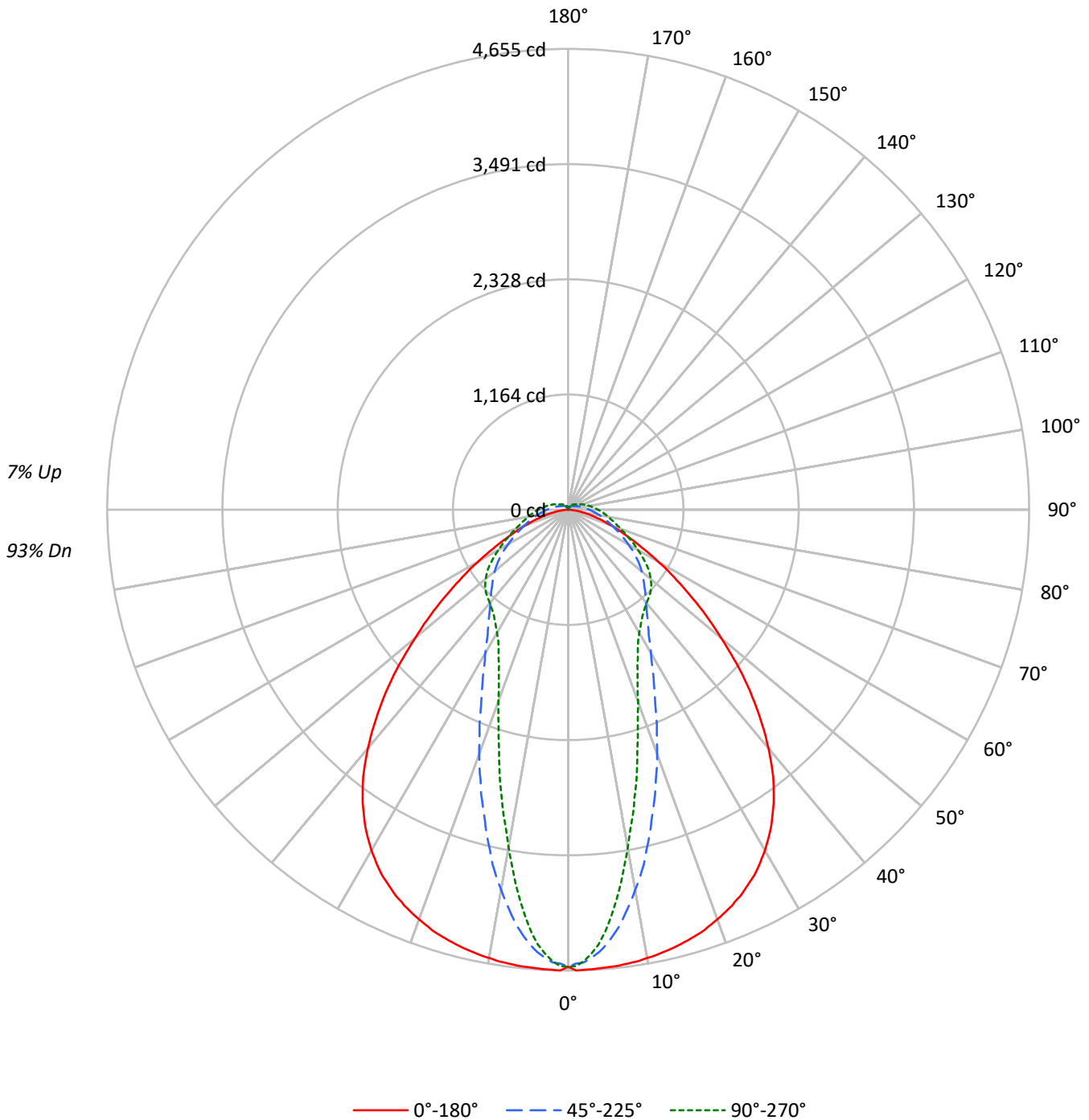
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7359.0 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24846	24846	24846
5°	25020	22864	21854
10°	25032	19627	16955
15°	25067	16027	12708
20°	25036	12781	9510
25°	24860	10026	7548
30°	24393	8122	6438
35°	23426	6881	5856
40°	21731	6081	5543
45°	19381	5570	5372
50°	16480	5132	5075
55°	13601	4656	4635
60°	10939	4102	4065
65°	8556	3607	3537
70°	6716	3196	3129
75°	5283	2878	2851
80°	3847	2641	2650
85°	2309	2470	2542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.8	5.6
10°-20°	958.3	13.0
20°-30°	1137.5	15.5
30°-40°	1144.4	15.6
40°-50°	1063.8	14.5
50°-60°	876.0	11.9
60°-70°	617.3	8.4
70°-80°	403.3	5.5
80°-90°	257.5	3.5
90°-100°	168.8	2.3
100°-110°	114.6	1.6
110°-120°	78.6	1.1
120°-130°	54.4	0.7
130°-140°	36.6	0.5
140°-150°	22.6	0.3
150°-160°	11.7	0.2
160°-170°	4.2	0.1
170°-180°	0.7	0.0
0°-30°	2504.6	34.0
0°-40°	3649.1	49.6
0°-60°	5588.8	75.9
0°-90°	6866.9	93.3
90°-120°	362.0	4.9
90°-150°	475.5	6.5
90°-180°	492.0	6.7
0°-180°	7359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4616	4616	4616	4616	4616	
5°	4640	4578	4412	4327	4281	442
15°	4524	4042	3251	2842	2688	1278
25°	4227	3124	2071	1739	1666	1945
35°	3618	2114	1404	1315	1307	2250
45°	2599	1392	1088	1146	1176	1996
55°	1493	914	841	933	964	1348
65°	702	552	578	652	675	712
75°	274	285	390	459	478	296
85°	46	131	262	339	355	58
90°	0	89	212	289	301	3
95°	0	66	177	243	254	0
105°	0	46	120	170	185	0
115°	4	39	85	123	131	3
125°	4	31	69	89	96	3
135°	4	27	54	69	73	3
145°	4	19	39	54	58	2
155°	4	15	27	39	42	2
165°	4	8	15	19	23	1
175°	8	8	8	8	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4616.5	4616.5	4616.5	4616.5	4616.5
1°	4655.1	4635.8	4585.7	4620.4	4612.7
2°	4651.2	4631.9	4574.1	4589.5	4562.5
3°	4647.4	4620.4	4531.7	4527.8	4489.2
4°	4643.5	4601.1	4477.7	4431.4	4400.5
5°	4639.7	4578.0	4412.1	4327.3	4281.0
6°	4635.8	4551.0	4327.3	4200.0	4134.4
7°	4628.1	4508.5	4238.6	4065.0	3980.2
8°	4620.4	4470.0	4126.7	3918.5	3814.3
9°	4612.7	4419.8	4014.9	3760.3	3636.9
10°	4597.2	4369.7	3899.2	3598.3	3467.2
11°	4589.5	4311.8	3787.3	3444.1	3289.8
12°	4574.1	4250.1	3667.8	3282.1	3147.1
13°	4558.7	4184.6	3521.2	3143.2	2981.3
14°	4543.2	4115.1	3393.9	2989.0	2838.6
15°	4524.0	4041.9	3251.2	2842.4	2688.1
16°	4504.7	3957.0	3124.0	2692.0	2530.0
17°	4485.4	3876.0	3004.4	2553.2	2406.6
18°	4462.3	3795.0	2865.6	2418.2	2275.5
19°	4431.4	3702.5	2753.7	2294.8	2163.6
20°	4404.4	3617.6	2626.4	2179.1	2063.4
21°	4373.5	3513.5	2499.2	2071.1	1955.4
22.5°	4327.3	3366.9	2337.2	1936.1	1828.1
23°	4304.1	3324.5	2271.6	1885.9	1793.4
24°	4273.3	3212.7	2163.6	1808.8	1716.3
25°	4227.0	3124.0	2071.1	1739.4	1666.1
26°	4184.6	3016.0	1978.5	1677.7	1604.4
27°	4142.1	2911.8	1897.5	1612.1	1550.4
28°	4088.1	2803.9	1808.8	1558.1	1504.1
29°	4030.3	2703.6	1735.5	1511.8	1469.4
30°	3972.4	2591.7	1673.8	1469.4	1434.7
32.5°	3810.5	2344.9	1515.7	1388.4	1365.3
35°	3617.6	2113.5	1403.9	1315.1	1307.4
37.5°	3401.6	1901.4	1303.6	1257.3	1265.0
40°	3147.1	1708.5	1218.7	1214.9	1230.3
42.5°	2877.1	1542.7	1153.2	1180.2	1203.3
45°	2599.4	1392.3	1087.6	1145.5	1176.3
47.5°	2310.2	1261.2	1029.8	1103.0	1137.7
50°	2017.1	1133.9	968.0	1052.9	1087.6
52.5°	1754.8	1022.0	906.3	995.0	1033.6
55°	1492.6	914.0	840.8	933.3	964.2
57.5°	1265.0	813.8	771.3	863.9	887.1
60°	1052.9	717.4	701.9	786.8	813.8
62.5°	860.1	632.5	636.4	717.4	744.4
65°	701.9	551.5	578.5	651.8	674.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	570.8	474.4	520.7	597.8	617.1
70°	451.2	405.0	474.4	543.8	563.1
72.5°	358.7	343.3	428.1	501.4	516.8
75°	273.8	285.4	389.5	459.0	478.2
77.5°	196.7	239.1	351.0	424.2	439.7
80°	138.8	196.7	320.1	393.4	408.8
82.5°	88.7	162.0	289.3	366.4	381.8
85°	46.3	131.1	262.3	339.4	354.8
87.5°	19.3	108.0	235.3	312.4	327.8
90°	0.0	88.7	212.1	289.3	300.8
92.5°	0.0	77.1	192.8	266.1	277.7
95°	0.0	65.6	177.4	243.0	254.5
97.5°	0.0	61.7	158.1	223.7	235.3
100°	0.0	54.0	142.7	204.4	219.8
102.5°	0.0	50.1	131.1	185.1	200.6
105°	0.0	46.3	119.6	169.7	185.1
107.5°	0.0	42.4	111.8	158.1	169.7
110°	0.0	42.4	100.3	146.6	158.1
112.5°	3.9	38.6	92.6	131.1	142.7
115°	3.9	38.6	84.8	123.4	131.1
117.5°	3.9	38.6	81.0	111.8	119.6
120°	3.9	34.7	77.1	104.1	111.8
122.5°	3.9	34.7	73.3	96.4	100.3
125°	3.9	30.9	69.4	88.7	96.4
127.5°	3.9	30.9	65.6	84.8	88.7
130°	3.9	30.9	61.7	77.1	84.8
132.5°	3.9	27.0	57.9	73.3	77.1
135°	3.9	27.0	54.0	69.4	73.3
137.5°	3.9	23.1	50.1	65.6	69.4
140°	3.9	23.1	46.3	61.7	65.6
142.5°	3.9	19.3	42.4	57.9	61.7
145°	3.9	19.3	38.6	54.0	57.9
147.5°	3.9	19.3	34.7	50.1	54.0
150°	3.9	15.4	30.9	46.3	50.1
152.5°	3.9	15.4	27.0	42.4	46.3
155°	3.9	15.4	27.0	38.6	42.4
157.5°	3.9	11.6	23.1	30.9	38.6
160°	3.9	11.6	19.3	27.0	34.7
162.5°	3.9	11.6	19.3	23.1	27.0
165°	3.9	7.7	15.4	19.3	23.1
167.5°	3.9	7.7	11.6	15.4	19.3
170°	3.9	7.7	11.6	11.6	15.4
172.5°	3.9	7.7	7.7	7.7	7.7
175°	7.7	7.7	7.7	7.7	3.9
177.5°	7.7	7.7	7.7	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)